

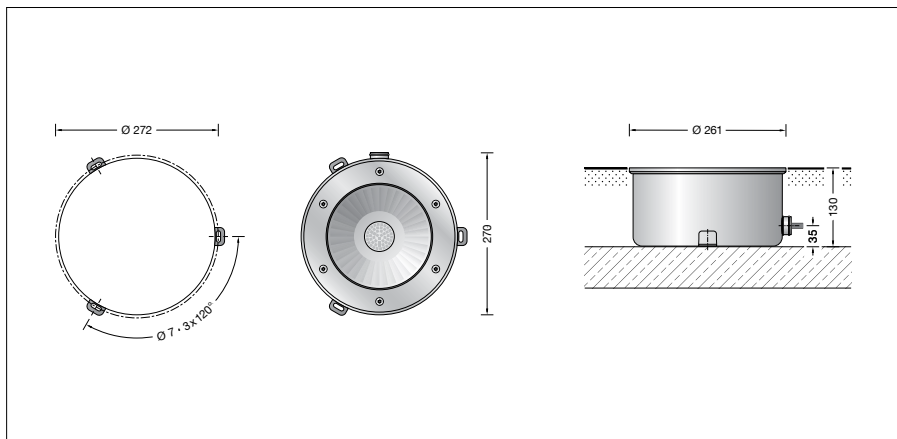
BEGA**77 964**

In-ground luminaire



Project · Reference number

Date



Product data sheet

Product description

Cover ring Luminaire housing made of stainless steel and cast stainless steel
Steel grade number 1.4301
Clear safety glass
Silicone gasket
Reflector made of pure anodised aluminium
1,8 m water-resistant connecting cable
07RN8-F 5 G 1[□] with implemented water stopper and 1.2 m PVC cable conduit
BEGA Ultimate Driver®
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 V
DALI controllable
A basic isolation exists between power cable and control line
BEGA Thermal Control®
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
Safety class I
Protection class IP 68 10 m
Dust-tight and water pressure tight
Maximum submersion depth 10 m
Pressure load 3,000 kg (~30 kN)
Impact strength IK10
Protection against mechanical impacts < 20 joule
Maximum surface temperature 25 °C (measured according to EN 60598 of t_a 15 °C)
CE – Conformity mark
 – Safety mark
Weight: 7.2 kg
This product contains light sources of energy efficiency classes C

Application

Floodlight with symmetrical light distribution for flush-mounting installation in compacted surfaces, paths and open areas. Drive-over luminaire for vehicles with pneumatic tyres.

Please note:

Luminaire must not be used for installation in road lanes, where the fixture is exposed to a horizontal strain due to braking, acceleration and change of direction.
For walk-through public areas, we recommend skid-blocking glass – see accessories.

Lamp

Module connected wattage	13.7 W
Luminaire connected wattage	16 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 45$ °C
When installed in heat-insulating material	$t_{a \max} = 30$ °C

77 964 K27

Module designation	LED-0341/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	2515 lm
Luminaire luminous flux	1814 lm
Luminaire luminous efficiency	113,4 lm/W

77 964 K3

Module designation	LED-0341/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2600 lm
Luminaire luminous flux	1876 lm
Luminaire luminous efficiency	117,2 lm/W

77 964 K4

Module designation	LED-0341/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2670 lm
Luminaire luminous flux	1927 lm
Luminaire luminous efficiency	120,4 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50) 100,000 h (L90 B50)

Ambient temperature max. $t_a = 45$ °C (100 %)	
LED psu:	50,000 h
LED module:	93,000 h (L80 B50) 100,000 h (L70 B50)

Ambient temperature max. $t_a = 50$ °C (95 %)	
LED psu:	> 50,000 h
LED module:	> 50,000 h (L70 B50)

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Lighting technology

Half beam angle 27°
Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on our website at www.bega.com.

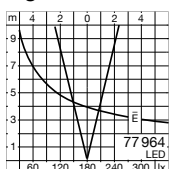
Inrush current

Inrush current: 5 A / 100 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 56 luminaires
B 16A: 90 luminaires
C 10A: 56 luminaires
C 16A: 90 luminaires

Article No. 77 964

LED colour temperature optionally 2700 K, 3000 K or 4000 K
2700 K – Article number + **K2**
3000 K – Article number + **K3**
4000 K – Article number + **K4**

We supply this luminaire with skid-blocking glass which is denoted by **R** after the article number.

Light distribution

Accessories

14000225R Skid-blocking glass

BEGA skid-blocking glass with the highest rating R 13 according to DIN 51130 can be used without restriction for all public areas.

Abrasion resistance according to

EN ISO 10545-7 Class 3

Distribution box for installation in soil

70 730 Distribution box with 7 cable entries

Connection terminals 5 x 4[□]

71 053 Distribution box with 10 cable entries

Connection terminals 6 x 16[□]

See the separate instructions for use.